

Attorney Docket No. P13163-US2
Customer Number 27045

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. - 10. (Canceled)

11. (Currently Amended) A method of transmitting from a first packet communication station to a second packet communication station information including context control information, the context control information used to maintain consistency between header compression contexts respectively associated with the first and second packet communication stations, comprising:

transmitting information other than context control information between the first and second packet communication stations according to a first transmission parameter;

determining that context control information is to be transmitted from the first packet communication station to the second packet communication station;

in response to the determination that context control information is to be transmitted from the first packet communication station to the second packet communication station, providing a second transmission parameter according to which the context control information can be transmitted from the first packet communication station to the second packet communication station with a probability of delivery that exceeds a probability of delivery associated with said step of transmitting information other than context control information according to the first transmission parameter; and

transmitting the context control information from the first packet communication station to the second packet communication station according to the second transmission parameter,

wherein the first or second transmission parameter are selected from the group consisting of a factor indicating output power, channel coding rate, number of

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consecutive packets, and frequency of broadcasting the number of consecutive packets.

12. (Original) The method of Claim 11, wherein said second transmission parameter specifies that the context control information is to be transmitted from the first packet communication station to the second packet communication station in a plurality of consecutively transmitted packets.

13. (Original) The method of Claim 12, wherein each of the consecutively transmitted packets includes all of the context control information.

14. (Original) The method of Claim 13, wherein the context control information includes a context update request, further comprising receiving the context update request at the second packet communication station, determining whether a context update corresponding to the received context update request has already been sent from the second packet communication station to the first packet communication station, and ignoring the received context update request if a corresponding context update has already been sent from the second packet communication station to the first packet communication station.

15. (Original) The method of Claim 11, wherein the context control information includes one of a context update and a context update request.

16. (Original) The method of Claim 11, wherein the second transmission parameter specifies that the context control information is to be transmitted from the first packet communication station to the second packet communication station in each of a plurality of packets respectively transmitted periodically in accordance with a predetermined frequency.

17. (Original) The method of Claim 16, wherein the context control information includes a context update request, further comprising receiving a context update

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request at the second packet communication station, determining whether a context update corresponding to the received context update request has already been sent from the second packet communication station to the first packet communication station, and ignoring the received context update request if a corresponding context update has already been sent from the second packet communication station to the first packet communication station.

18. (Original) The method of Claim 16, wherein each of the periodically transmitted packets includes all of the context control information.

19. (Original) The method of Claim 11, wherein the second transmission parameter specifies that the context control information is to be transmitted from the first packet communication station to the second packet communication station at a higher power level than a power level specified by the first transmission parameter.

20. (Original) The method of Claim 11, wherein the second transmission parameter specifies that the context control information is to be transmitted from the first packet communication station to the second packet communication station using a lower channel coding rate than a channel coding rate specified by the first transmission parameter.

21. - 33. (Canceled)

34. (Currently Amended) An apparatus for transmitting from a first packet communication station to a second packet communication station information including context control information, the context control information used to maintain consistency between header compression contexts respectively associated with the first and second packet communication stations, comprising:

an output for transmitting information other than context control information between the first and second packet communication stations according to a first transmission parameter;

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a context control information generator coupled to said output for generating context control information to be transmitted from the first packet communication station to the second packet communication station;

a transmission parameter generator having an input for receiving an indication that context control information generated by said context control information generator is to be transmitted from the first packet communication station to the second packet communication station, said transmission parameter generator operable in response to said indication for providing a second transmission parameter according to which the context control information can be transmitted from the first packet communication station to the second packet communication station with a probability of delivery that exceeds a probability of delivery associated with transmission of information other than context control information according to the first transmission parameter; and

said output responsive to said second transmission parameter for transmitting the context control information from the first packet communication station to the second packet communication station according to the second transmission parameter,

wherein the first or second transmission parameter is selected from the group consisting of a factor indicating output power, channel coding rate, number of consecutive packets, and frequency of broadcasting the number of consecutive packets.

35. (Original) The method of Claim 34, wherein said second transmission parameter specifies that the context control information is to be transmitted from the first packet communication station to the second packet communication station in a plurality of consecutively transmitted packets.

36. (Original) The method of Claim 34, wherein the second transmission parameter specifies that the context control information is to be transmitted from the first packet communication station to the second packet communication station in each of a plurality of packets respectively transmitted periodically in accordance with a predetermined frequency.

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37. (Original) The method of Claim 34, wherein the second transmission parameter specifies that the context control information is to be transmitted from the first packet communication station to the second packet communication station at a higher power level than a power level specified by the first transmission parameter.

38. (Original) The method of Claim 34, wherein the second transmission parameter specifies that the context control information is to be transmitted from the first packet communication station to the second packet communication station using a lower channel coding rate than a channel coding rate specified by the first transmission parameter.

39. (Original) The apparatus of Claim 34, wherein said output, said context control information generator, and said transmission parameter generator are provided in the first packet communication station.

40. (Original) The apparatus of Claim 39, wherein the first packet communication station is a radio communication station operating in a telecommunications network.

41. (Original) The apparatus of Claim 34, wherein the context control information includes one of a context update and a context update request.

42. - 47. (Canceled)